

ALINCO

DR-150

VHF FM MOBILE TRANSCEIVER

- Channel Scope
- Air Cloning
- UHF & Air* RX
- 9600bps Connector



ALINCO — Leading Amateur Radio Into the 21st Century.

Engineered for Satisfaction

Alinco's DR-150 sets a new industry standard for 2 meter mobiles, featuring up-to-the-minute technology and a full-powered 50 watts. So advanced and yet so simple to use, the DR-150 will more than satisfy the needs of beginners and Ham veterans alike.

Exceptional

The DR-150's exceptionally versatile receive range, including UHF and AM Aircraft*, and state-of-the-art features such as channel scope and cloning combine to make this Alinco mobile your only choice in 2 meters.

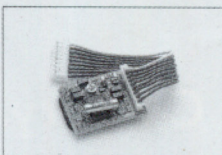
*Comes standard in the U.S. version (DR-150T).
Other versions may require modification.

Featuring Channel Scope Sweep Scan; enjoy visual scanning capability of multiple frequencies along with simultaneous receive audio!

- **Wide Band Coverage**
AM Airband receive*
2m and 70cm receive
- **Remote Control with DTMF Microphone****
Numerous functions accessible through the DTMF microphone
- **Channel Scope**
Displays 7 different channel activities simultaneously
- **100 Memory Channels**
- **CALL Channel**
- **Multiple Scan Modes**
Channel Scope Sweep Scan, Program Scan, and Priority Scan
- **LITZ Function**
LITZ Emergency alert function (DR-150T only)
- **Signal Strength Meter Squelch**
Signal strength display showing squelch setting
- **9600bps/Phone Patch Interface**
Built-in independent connector
- **Tone Encoder**
50 CTCSS tone encoder comes standard
- **Easy Access Auto Dialer****
Added safety during mobile operation
- **DSQ Functions Standard**
Popular DTMF paging function: Set DSQ and DSQ code through the front control panel or by the DTMF microphone
- **Direct Frequency Entry****
Enter frequency directly from the DTMF microphone
- **DTMF Encode and Decode Standard**
- **2 Separate VFO's**
Select from 2 VFO's
- **Time Out Timer**
Select from different timed settings
- **Channel Display Mode**
Simplified display mode for added convenience
- **Tone Scan**
Built-in CTCSS tone frequency scanner (optional EJ-20U CTCSS decoder unit required)
- **Air Cloning Function**
Easy Programming for another party
- **Squelch Timer**
Momentary signal cut-offs from a mobile station can be eased with the program-delayed muting

*Applicable to the U.S. version (DR-150T). Other versions may require modification.
**Comes standard in the U.S. version (DR-150T). Optional microphone EMS-12 is required for the European version (DR-150E).

■ OPTIONS



CTCSS Decoder EJ-20U

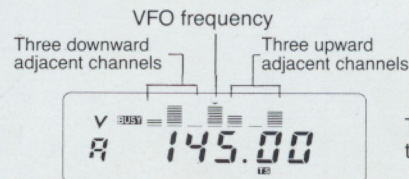


DTMF Mic (comes standard in the U.S. Version EMS-12)



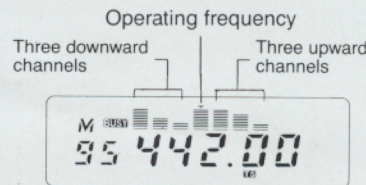
The "Channel Scope" lets you monitor up to 7 frequencies at once with just a glance at the display:

■ Channel Scope in VFO mode



The VFO frequency may be on the 2M-, 70cm-, or Air-band*.

■ Channel Scope in memory mode



Memory channels may be in combination of the 2M-, 70cm-, and Air-band*.

■ SPECIFICATIONS

GENERAL	MODEL	DR-150T	DR-150E
Freq. range		Tx : 144.000-147.995MHz FM Rx : 108.000-173.995MHz FM/AM Rx : 440.000-449.995MHz FM/AM	Tx : 144.000-145.995MHz FM Rx : 144.000-145.995MHz FM Rx : 430.000-439.995MHz FM
Modulation		F2, F3 (FM)	
Ant. impedance		50 ohms	
Supply voltage		13.8V DC	
Current consumption		Transmit (High) 10A / Receive 0.6A	
Freq. stability		± 10 ppm max.	
Dimensions		140mm(W) × 40mm(H) × 129mm(D)	
Weight		approx. 800g (body only)	
Microphone		EMS-12 (DTMF mic.)	EMS-5A (plain mic.)
TRANSMITTER			
Power output (approx.)		High 50W / Mid 25W / Low 10W	
Modulation system		Reactance modulation	
Spurious emission		not more than -60dB	
Max. deviation		± 5kHz	
Distortion at 60% modulation		not more than 3%	
Mic. impedance		600 ohms	
RECEIVER			
Receiving system		Double conversion superheterodyne	
I.F.		First: 45.1MHz / Second: 455kHz	
Sensitivity (12dB SINAD)		2m band: -16dB μ or better, 70cm band: -10dB μ or better	
Selectivity		-6dB: 12kHz or more, -60dB: 28kHz or less	
Squelch sensitivity		-20dB μ or better	
AF output		1.5W	
AF output imp.		8 ohms	

Specifications are subject to change without notice or obligation.
Specifications guaranteed in the amateur band only.

Authorized Dealer:



ALINCO ELECTRONICS INC.

Head Office: "TWIN 21" MID Tower Building 23F
1-61, 2-Chome, Shiromi, Chuo-ku, Osaka No.540, Japan
Phone: 06-946-8150 Fax: 06-946-8175 Telex: 63086

U.S.A.: ALINCO ELECTRONICS INC.
438 Amapola Ave., Unit 130, Torrance, CA 90501, U.S.A.
Phone: 310-618-8616 Fax: 310-618-8758

Germany: ALINCO ELECTRONICS GMBH
Alt Hausen 34, D-60488 Frankfurt am Main, Germany
Phone: 069-786018 Fax: 069-789-60766

Italy: ALINCO ELECTRONICS S.R.L.
Via Staffora 35/D, 20090 Opera (Milano), Italy
Phone: 02-57605160 Fax: 02-57606091

China: ALINCO ELECTRONICS (Beijing Office)
Beijing Fortune Bldg. Room 918-A
No. 5 Dong San Huan Bei Lu, Chaoyang District Beijing China
Phone: 01-501-7561 Fax: 01-501-7560

ALINCO

IN SEARCH OF EFFICIENT COMMUNICATIONS

GENERAL CATALOG



HF + 50MHz All Mode Transceiver
DX-70 (Tx: 1.8-28MHz and 50MHz bands
 Rx: 0.15-35MHz and 45-60MHz general coverage)

- The smallest body of this type: 178 x 58 x 228mm, 2.7kg
- Separatable front panel control
- Output 100W on HF, 10W on 50MHz
- RF gain
- SSB narrow filter
- CW narrow filter
- Noise blanker
- 100 memories (can be fixed for commercial use)
- All mode squelch
- Speech compressor
- Full-break-in QSK
- USB, LSB, CW, AM, and FM
- RIT/TXIT
- Split and mode memory
- IF shift
- Selectable CW side-tone
- Relay/ALC terminals
- Options:
 - EDX-1 manual antenna tuner
 - EDS-4 front panel remote cable
 - EJ-26U tone encoder
 - EBC-9 under-dash bracket
 - EBC-8 front panel bracket
 - EDS-5 mic extension cable

VHF/UHF FM Twin Bander

DJ-G5

(Tx: 130-174/420-470MHz FM
 Rx: 108-174/420-470MHz FM/AM)

- Channel Scope
- Full duplex between VHF & UHF
- CTCSS Tone Squelch
- Memory channels VHF80 + UHF80
- DSQ selective call
- 20 autodialers
- 2W output or 5W with the optional EBP-36N battery
- U x U/V x V
- Compact 57 x 139 x 27.5mm body
- Sweep Scan
- X-band repeater
- Direct freq. entry thru keypad
- 800-920MHz Rx (DJ-G5E)



VHF/UHF FM Twin Band Mobile

DR-610

(Tx: 136-174/420-470MHz FM
 Rx: 108-174/420-470MHz FM/AM)

- Channel Scope
- Full duplex between VHF & UHF
- DSQ selective call
- CTCSS encoder standard, decoder option EJ-24U
- Autodialer
- VHF50W/UHF35W max.
- Separatable front panel control with cable EDS-2/3
- CTCSS encoder included, decoder option EJ-24U
- U x U/V x V
- 9600bps connector
- Time-out-timer
- Remote DTMF control
- S-meter squelch
- 120 memory channels, expandable upto 240 channels
- 800-990MHz Rx (DR-610E)

VHF FM Handheld Transceiver

DJ-G1

(Tx: 130-174MHz FM
 Rx: 108-174/400-470MHz FM/AM)

- Channel Scope
- Sweep Scan
- DSQ selective call
- Autodialer
- 80 memories
- 2W output, 5W with option EBP-32N
- CTCSS as an option
- Compact 50 x 116 x 37mm body
- Direct frequency entry thru keypad
- 800-920MHz Rx (DJ-G1E)



VHF FM Mobile Transceiver

DR-150

(Tx: 130-174MHz FM
 Rx: 108-174/400-500MHz FM/AM)

- Channel Scope
- Sweep Scan
- CTCSS Tone encoder standard, decoder optional with EJ-20U
- Tone Scan with EJ-20U
- Time-out-timer
- DSQ selective call
- 9600bps connector
- 100 memory channels
- Autodialer
- S-meter squelch
- Direct frequency entry thru keypad
- Remote DTMF control
- Max. 50W output
- 800-990MHz Rx (DR-150E)